| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 09/964,954 | 09/27/2001 | Monica Rose Cleghorn | 125310-1000 | 2550 |

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| EXAMINER |
|---|
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| ART UNIT | PAPER NUMBER |
|---|---|
| 2165 | |

DATE MAILED: 03/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

| | Application No. | Applicant(s) |
|---|---|---|
| **Office Action Summary** | 09/964,954 | CLEGHORN ET AL. |
| | Examiner | Art Unit | |
| | Yicun Wu | 2165 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1)☒ Responsive to communication(s) filed on *1 September 2004*.

2a)☐ This action is **FINAL**.    2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4)☒ Claim(s) *1-44* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-44* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All  b)☐ Some *  c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date *1-2-02*.

4)☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____ .

## III.  DETAILED ACTION

1.    Claims 1-44 are presented for examination.

### *Drawing*

2.    Drawings are acceptable for examination purpose.

### *Claim Rejections - 35 USC § 102*

3.    The following is a quotation of the appropriate paragraphs

of 35 U.S.C. 102 that form the basis for the rejections under

this section made in this Office action:

> A person shall be entitled to a patent unless -
>
> (b) the invention was patented or described in a printed publication in this or
> a foreign country or in public use or on sale in this country, more than one
> year prior to the date of application for patent in the United States.

4.    Claims 1-44 are rejected under 35 U.S.C. 102(e) as being

anticipated over Reiman et al. (U.S. Patent 5,966,431).

      As to Claims 1, 16, 23, 30, 42 and 44, Reiman et al.

discloses a method of processing a database query between one or

more clients and one or more databases, the method comprising

the steps of:

receiving the database query from one of the clients (col.
7, lines 45-49), the database query formatted using a first
protocol (i.e. translating and converting of a message with a
first protocol to a message with a second protocol. Col. 21,
lines 24-29 and fig. 7);

selecting one of the databases to process the database
query (i.e. the query has to be translated, reformatted, and
sent over the local area network (LAN) to a file server (of the
3 shown in the FIG. 1 embodiment) containing the line
information database (LIDB) used for validation (col. 7, lines
50-55); translating the database query from the first protocol
to a second protocol (col. 7, lines 50-55);

sending the translated database query to the selected
database for processing (col. 7, lines 50-55);

receiving a response (i.e. response. col. 7, lines 54-67)
to the database query from the selected database col. 7, lines
54-67), the response formatted using the second protocol (i.e.
this response is then reformatted. col. 7, lines 54-67);

translating the response from the second protocol to the
first protocol (i.e. reconvert the response packet. col. 7,
lines 54-67);

determining which of the clients sent the database query
(i.e. response is then forwarded to STP 11 with the called

number in the layer that also contains the calling party

addresses in the original query. col. 7, lines 54-67); and

sending the translated response to the client that sent the

database query (i.e. response is then forwarded to STP 11 with

the called number in the layer that also contains the calling

party addresses in the original query. col. 7, lines 54-67).

As to Claims 2, 17 and 24, Reiman et al. discloses a method

as recited in claim 1, further comprising

the step of validating the client (i.e. File servers 22

provide the call processing functionality required to receive

the LIDB queries from the gateway, validate the queries and

respond to the gateway. Col. 8, lines 24-26).

As to Claims 3, 18 and 25, Reiman et al. discloses a method

comprising

the step of sending a time out response to the client that

sent the database query whenever the translated response has not

been received within a specified time period (i.e. within a

given time out. col. 28, lines 36-41).

As to Claims 4, 19 and 26, Reiman et al. discloses a method

comprising

the step of logging the database query (i.e. All data

received from the service nodes, i.e. the gateways and the

servers, are logged. Col. 17, lines 18-21).


As to Claims 5, 20 and 27, Reiman et al. discloses a method

comprising

the step of storing an address identifier for the client

that sent the database query (i.e. with the called number in the

layer that also contains the calling party addresses in the

original query. col. 7, lines 54-67).


As to Claims 6, 21 and 28, Reiman et al. discloses a method

comprising

the step of storing a query identifier for the database

query (col. 20, lines 56-60).


As to Claims 7, 22 and 29, Reiman et al. discloses a method

wherein the steps of sending the translated database query to

the selected database for processing and receiving a response to

the database query from the selected database, the response

formatted using the second protocol comprise the steps of:

encrypting the translated database query ( i.e. encrypted.

Col. 15, lines 50-51);

sending the encrypted database query ( i.e. encrypted. Col.

15, lines 50-51) to the selected database for processing (col.

7, lines 50-55);

receiving an encrypted response to the encrypted database

query from the selected database, the response formatted using

the second protocol (i.e. translating and converting of a

message with a first protocol to a message with a second

protocol. Col. 21, lines 24-29 and fig. 7); and

decrypting the encrypted ( i.e. encrypted. Col. 15, lines

50-51) response into a response (i.e. response. col. 7, lines

54-67).


As to Claims 8 and 31, Reiman et al. discloses a method as

wherein

the first protocol is an Internet protocol (i.e. inter-

network.   Col. 7, lines 62-64).


As to Claims 9 and 32, Reiman et al. discloses a method as

wherein

the second protocol is a signaling protocol (i.e. signaling

protocol. Col. 3, lines 22-24).

As to Claims 10 and 33, <u>Reiman et al.</u> discloses a method as wherein

the signaling protocol is a Signaling System 7 protocol (col. 4, lines 62-67).

As to Claims 11 and 37, <u>Reiman et al.</u> discloses a method wherein

the database query is part of a call validation process (i.e. File servers 22 provide the call processing functionality required to receive the LIDB queries from the gateway, validate the queries and respond to the gateway. Col. 8, lines 24-26).

As to Claims 12 and 38, <u>Reiman et al.</u> discloses a method wherein

the database query is part of a call billing process (i.e. i.e. billing. Col. 9, lines 60-65 and Col. 8, lines 24-26).).

As to Claims 13 and 39, <u>Reiman et al.</u> discloses a method wherein

the database query is part of a bank card validation process (i.e. File servers 22 provide the call processing functionality required to receive the LIDB queries from the gateway, validate the queries and respond to the gateway. Col.

8, lines 24-26).

As to Claims 14 and 40, <u>Reiman et al.</u> discloses a method wherein

the database query is part of a bank card settlement process (i.e. File servers 22 provide the call processing functionality required to receive the LIDB queries from the gateway, validate the queries and respond to the gateway. Col. 8, lines 24-26).

As to Claims 15 and 41, <u>Reiman et al.</u> discloses a method wherein

the selected database is a line information database line information database (i.e. line information database. Col. 7, lines 50-55).

As to Claim 34, <u>Reiman et al.</u> discloses a system wherein

at least one of the network servers is a service control point (fig. 1 and col. 7, lines 50-55).

As to Claim 35, <u>Reiman et al.</u> discloses a system wherein

at least one of the network servers is a legacy server

(fig. 1 and col. 7, lines 50-55).


As to Claim 36, <u>Reiman et al.</u> discloses a system wherein

at least one of the network servers is a bank server (fig.

1 and col. 7, lines 50-55).


As to Claim 43, <u>Reiman et al.</u> discloses a method wherein

the database is at least one of

    a client  (fig. 1 and col. 7, lines 50-55);

    the client  (fig. 1 and col. 7, lines 50-55);

    a part of the client  (fig. 1 and col. 7, lines 50-55);

    a server  (fig. 1 and col. 7, lines 50-55).

## *Other Prior Art Made of Record*

5.    The prior art made of record and not relied upon is

considered pertinent to Applicant's disclosure.  U.S. patents

and U.S. patent application publications will not be supplied

with Office actions.

Examiners advises the Applicant that the <u>cited</u> U.S. patents

and patent application publications are available for download

via the Office's PAIR.  As an alternate source, <u>all</u> U.S. patents

and patent application publications are available on the USPTO

web site (www.uspto.gov <http://www.uspto.gov/>), from the

Office of Public Records and from commercial sources.  For the

use of the Office's PAIR system, Applicants may refer to the

Electronic Business Center (EBC) at

<http://www.uspto.gov/ebc/index.html> or 1-866-217-9197.


Noble et al.    (U.S. Patent No. 5,634,053);

Guck    (U.S. Patent No. 5,848,415); and

Wynblatt et al. (U.S. Patent No. 6,778,987);

Bodamer et al. (U.S. Patent No. 6,226,649);

## *Conclusion*

6.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yicun Wu whose telephone number is 571-272-4087.  The examiner can normally be reached on 8:00 am to 4:30 pm, Monday -Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 571-272-4083.  The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2100.

**CHARLES RONES**
**PRIMARY EXAMINER**

Yicun Wu
Patent Examiner
Technology Center 2100


March 10, 2005